

Ministry of Forests and Range

Minister's Office

MEMORANDUM

File: 280-30 Ref: 117768

December 1, 2008

To: Jim Gowriluk, Regional Executive Director, Coast Forest Region

From: The Honourable Pat Bell

Minister of Forests and Range

Re: Amendment No. 7 to the Coast Appraisal Manual

I hereby approve Amendment No. 7 to the *Coast Appraisal Manual* and attach a copy for your use. The following sections have been amended.

Section 3.5(4) Section reference added for woodlot cutting authorities appraised under section 7.2.

Section 4.1 Chapter 7 reference added.

Section 5.3.2.1 No new extended road amortization agreements for woodlot licences.

Section 7.2 Tabular rate schedule for woodlot licenses.

Section 7.2.1 Transition procedures for woodlot cutting authorities under MPS.

This amendment will come into force on December 1, 2008. Further amendments or revisions to this manual require my approval.

Pat Bell Minister

pc:

Attachment

Bell

Murray Stech, Director, Revenue Branch



Ministry of Forests and Range



MANUAL REVISION TRANSMITTAL

FOR FURTHER INFORMATION OR IF YOU HAVE A CHANGE OF ADDRESS, PLEASE CONTACT:

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MANUAL TITLE

Coast Appraisal Manual

AMENDMENT ISSUE DATE
Amendment No. 7 December 1, 2008

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AUTHORIZATION (Name, Title)

Murray Stech

Director, Revenue Branch

Please make the following changes to your copy of the above Ministry manual.

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Insert		iii - iv	
Remove	Chapter 3	9 - 10	After Chapter 3 Tab
Insert		9 - 10	
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Insert		1 - 2	
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3.5 Fixed Rates and Extensions of Term

Timber Sale Licences

- 1. A fixed stumpage rate for a timber sale licence means that the upset stumpage rate and bonus bid will not change during the term of the timber sale licence and all extensions, except where:
 - a. a reappraisal is done under section 3.3.1(d) due to sudden and severe damage, or
 - b. a reappraisal is done under section 3.3.4 due to the Minister's direction.
- 2. Every timber sale licence entered into under section 20 of the *Act* that was advertised on or after November 1, 2003 must have a fixed stumpage rate.
- 3. Notwithstanding anything to the contrary in this manual, a fixed stumpage rate for a timber sale licence may not be corrected where there has been an error in the appraisal.

Woodlots

- 4. a. The stumpage rate for a cutting authority issued under a woodlot licence shall be an adjusting stumpage rate unless:
 - i) the stumpage rate for the cutting authority is changed to a non-adjusting stumpage rate under this section,
 - ii) the cutting authority is a road permit, or
 - iii) the cutting authority stumpage rates were calculated under section 7.2, 7.3 or section 7.4.
 - b. A licensee may choose to have an adjusting stumpage rate changed to a non-adjusting stumpage rate under this subsection by giving written notice of that choice to the regional appraisal coordinator.
 - c. Where the licensee gives notice to the regional appraisal coordinator of that choice, the adjusting stumpage rate shall become a non-adjusting stumpage rate based on the following criteria:
 - i) if the licensee gives written notice to the regional appraisal coordinator within 21 days of receipt of the stumpage advisory notice, the non-adjusting stumpage rate will be the stumpage rate in effect on the effective date of the cutting authority, or

- ii) if the licensee gives written notice to the regional appraisal coordinator later than 21 days following receipt of the stumpage advisory notice, the non-adjusting stumpage rate will be the stumpage rate in effect three weeks after the regional appraisal coordinator receives the notice.
- d. On the date that the stumpage rate becomes a non-adjusting stumpage rate, the stumpage rate for the cutting authority continues to be the stumpage rate of the cutting authority that was in effect on that date.
- e. Where a stumpage rate is changed from an adjusting stumpage rate to a non-adjusting stumpage rate, the stumpage rate for the cutting authority shall not change for the term of the cutting authority and all extensions from the date that the stumpage rate is changed to a non-adjusting stumpage rate, except where the cutting authority area is reappraised under section 3.3.1(d) or under section 3.3.3.

Average Stumpage Rates by District and Species

5. Where the stumpage rate for a cutting authority has been determined under section 7.1, 7.5 or section 7.6 and the term of the cutting authority is extended, the stumpage rate shall not change during the term of the cutting authority and all extensions.

Miscellaneous Stumpage Rates

6. Except where miscellaneous stumpage rates are otherwise specified in a cutting authority the miscellaneous stumpage rates applicable to timber under section 7.7 are the rates that are in effect on the date that the timber is scaled.

Estimated Winning Bid

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4.1 Appraisal Methodology

- 1. Except as provided in section 6.1.1(5) and chapter 7, the person who determines the stumpage rate must estimate the stumpage rate for a cutting authority area in a manner that will produce the highest stumpage rate for the cutting authority area.
- 2. For each part of the cutting authority area, the person who determines the stumpage rate must use the procedures in this manual that must be used for the harvest method that produces the highest stumpage rate other than a method that the district manager states is unsuitable for that part of the cutting authority area.
- 3. Regardless of the harvest method that the holder of a cutting authority uses or intends to use on the cutting authority area or a part of the cutting authority area, or any other fact or law pertaining to the harvest method to be used, the district manager when deciding whether a harvest method is unsuitable may only consider:
 - a. the physical features and terrain stability of the cutting authority area and the areas through which access to the cutting authority area may be gained,
 - b. the physical features of the areas outside of the cutting authority area that may be affected by the harvesting in or the transportation of the timber from the cutting authority area,
 - c. visual quality objectives, and
 - d. public safety.

9. The total road reconstruction unit cost is the sum of all of the road reconstruction unit cost estimates for all of the reconstruction projects.

5.3.1.3 Total Road Development Cost

1. The total road development cost is the sum of the total new road construction unit cost plus the total road reconstruction unit cost.

5.3.2 Existing Roads

- 1. The following roads may not be considered in the appraisal or reappraisal of a cutting authority area:
 - a. a constructed road that has been previously included in an appraisal or reappraisal of another cutting authority area,
 - b. a road previously constructed to access private timber, and
 - c. a road previously constructed in whole or in part for a purpose unrelated to the harvesting of timber on the cutting authority area being appraised or reappraised.

5.3.2.1 Extended Road Amortization

- 1. Notwithstanding subsection (3) and subject to subsection (2) of this section for new appraisals where the total road development cost calculated in an appraisal or reappraisal is greater than \$14.00/m³, the licensee and regional manager may agree that only a portion of an estimated road development cost will be used in the appraisal or reappraisal of the cutting authority area and that the balance of the estimated road development cost will be used in the appraisal or reappraisal of one or more tributary cutting authority areas.
- 2. Future tributary timber included in the extended road amortization agreement must be within a woodlot licence area, or in an approved cutting permit or cutblocks shown in the licence's forest development plan or forest stewardship plan in effect on the appraisal effective date.
- 3. No new extended road amortization agreements will be approved for cutting authorities issued under a woodlot licence with an effective date after November 30, 2008.
- 4. The agreement must provide that:
 - a. it may not be changed unless by mutual agreement, and
 - b. it is entered into only for the purposes of calculating a stumpage rate and confers no obligation on the Crown to compensate the licensee for any unamortized costs.

5.3.3 Tabular Cost Estimates

1. A tabular cost estimate must be calculated on the basis that the construction project will be completed using commonly used logging road construction practices and that the roads will have single lane width roads, turnouts and landings.

5.3.3.1 New Road Construction

- 1. New road construction cost estimate includes the cost of clearing and grubbing, stripping, stump removal, incidental log decking, ditch construction, landing and turnout construction.
- 2. The estimated cost per kilometre for new road construction is provided for each combination of rock hardness and bank height category.
- 3. New road section data is recorded using appendix VII and the following criteria:
 - a. road section lengths are measured along the road centreline and recorded to the nearest 0.001 km, and
 - b. the bank height is measured at right angles to the road centreline from the road surface to the top of the rock face.
 - c. road sections are measured over culverts (including wood culverts with a span length less than 4 m).
 - d. total bridge deck length for permanent and portable bridges, and span length on log bridges, is excluded from a road section length.
 - e. rock face height measurement on a through-cut section is taken from the highest side of the two road cuts.
- 4. If a tabular road section requires the trucking in of additional stabilizing material greater than 3.2 kilometres, use the non-tabular method to estimate the additional cost of trucking this distance.
- 5. Rock mass classification (RMC) is based on the physical characteristics of rock encountered in forest road development and is the subject of a report commissioned by the Forest Engineering Research Institute of Canada in 1978 and prepared by Piteau & Associates/Geotechnical Consultants. The text and tables in Appendix IV are based on this report and are used to determine the RMC-based factors required for road cost estimates.
- 6. Rock can be classified into five types referred to as rock mass classification (RMC) values and identified as RMC 1, 2, 3, 4 and 5. For the purpose of determining rock hardness, 'soft/medium' rock hardness category includes RMCs 1, 2, 3 and 4; 'hard' rock hardness category is equivalent to RMC 5.

7.2 Community Forest Agreements and Woodlot Licences

1. a. Except as provided for under section 7.2.1, the sawlog stumpage rate (\$/m³) for each species of coniferous timber and zone harvested under a cutting authority issued under a community forest agreement or woodlot licence and their associated road permits will be:

	Zone		
Species	Northern Coast	Southern Coast	
Balsam	3.60	4.19	
Hemlock	2.75	3.73	
Cedar	3.76	7.55	
Cypress	3.17	5.74	
Fir	3.04	4.30	
Spruce	2.82	2.79	
All Pine	2.62	3.65	

- b. The Northern Coast Zone is the Queen Charlotte Islands Forest District, North Coast Forest District and that part of the North Island-Central Coast Forest District within TFL 25 and the Mid-Coast Timber Supply Area.
- c. The Southern Coast Zone is the Coast Forest Region except the Northern Coast Zone as defined in 1(b).
- d. The stumpage rate determined under paragraph (a) of this subsection shall be redetermined on March 1st of each year in accordance with this subsection.
- 2. The sawlog stumpage rate for each species of coniferous timber harvested under a salvage permit issued under a woodlot licence is the rate prescribed in the table in section 7.2(1)(a) for the zone in which the salvage permit applies.
- 3. Section 7.3, 7.4, 7.4.1, 7.5 and 7.6 do not apply to community forest agreements, woodlot licences and associated road permits.

7.2.1 Woodlot Licences with Cutting Authorities under MPS

- 1. Where a cutting authority has been issued under a woodlot licence with an effective date after November 30, 2008, with an extended road amortization agreement that has been entered into under section 5.3.2.1, the stumpage rate will be calculated using the market pricing system.
- 2. The sawlog stumpage rate for a road permit is calculated using the procedures in section 7.3.

7.3 Road Permits

- 1. Except as provided in subsection (2) of this section, the stumpage rate for a road permit will be determined using Ministry stumpage billing records.
- 2. The stumpage rate for a road permit issued in conjunction with a timber sale licence entered into under sections 20, 21 and 23 of the *Act* or a licence to cut entered into under Section 47.6 of the *Act* will be the stumpage rate applicable to the cutting authority that authorizes harvesting in the cutting authority area to which the road permit provides access.
- 3. For the purposes of this section, a stumpage billing history record of timber harvested under a timber licence, where the timber licence area is within a tree farm licence area will be included with and be considered the stumpage billing history record of timber harvested under the tree farm licence.
- 4. a. Where the Ministry has a stumpage billing history record of timber harvested under a licence, the stumpage rate for a road permit is the weighted average sawlog stumpage rate of cutting authorities, other than a road permit, for cutting authority areas that are located in the same forest district as the area to which the road permit applies, and that are issued under the licence that entitles the licensee to apply for the road permit.
 - b. The weighted average stumpage rate is the sum of the stumpage billed for all coniferous sawlogs during the billing period referred to in paragraph (c) of this subsection, divided by the sum of the volume of those species and grades.
 - c. The billing period referred to in paragraph (b) of this subsection for a road permit appraisal or reappraisal, with an effective date between November 1, 2004 and January 31, 2005 is the twelve month billing period ending August 31, 2004. Thereafter, the billing period will be updated annually effective February 1st and will be the twelve month period ending November 30th.
- 5. Where there are no stumpage billing history records from which the stumpage rate may be determined under subsection (4), and the licence that the cutting authority is issued under does not provide for an allowable annual cut or has an allowable annual cut of Crown timber equal to or greater than 5 000 m³, the stumpage rate for a road permit is the weighted average sawlog stumpage rate of:
 - a. all cutting authorities, other than road permits, that are issued under the licence that entitles the licensee to apply for the road permit, or
 - b. where there is no volume in the stumpage billing history record, all the cutting authorities that do not provide for an allowable annual cut or have an allowable

annual cut of Crown timber equal to or greater than 5 000 m³ other than road permits, that are for areas located in the same forest district as the area to which the road permit applies.

- 6. Where there are no stumpage billing history records from which the stumpage rate may be determined under subsection (4), and the licence that the cutting authority is issued under has an allowable annual cut of Crown timber less than 5 000 m³ per year, the stumpage rate for a road permit is the weighted average sawlog stumpage rate of:
 - a. all cutting authorities, other than road permits, that are for licences that have an allowable annual cut of less than 5 000 m³ in the same forest district as the area to which the road permit applies, or
 - b. where there is no volume in the billing history record, all cutting authorities, other than road permits, that are for licences that have an allowable annual cut of less then 5 000 m³ in the same timber supply area as the area to which the road permit applies, or
 - c. where there is no volume in the billing history record, all cutting authorities, other than road permits, in the same forest district as the area to which the road permit applies.
- 7. The cost of a road constructed under a road permit may be eligible for inclusion as a tenure obligation adjustment under chapter 5 in the appraisal of the first tributary cutting authority.
- 8. All road permits will be reappraised in accordance with section 3.3.2.

7.4 Salvage Logging Stumpage Rates

- 1. The source of salvaged timber is:
 - a. Post-Harvest Material:
 - i. wooden culverts and bridges, and
 - ii. post-logging residue, and
 - b. Damaged Timber:
 - i. blowdown green and aged timber, and
 - ii. fire, disease, insect or physically damaged timber.
- 2. The qualifying criteria and methodology for calculating salvage logging stumpage rates for round logs is specified below:
 - a. post-harvest material must not be combined in the same cutting authority area with timber damaged through natural events.
 - b. except where damage to adjacent or contiguous timber occurs after harvesting is completed on the adjacent primary logging cutting permit area and the harvesting equipment has been demobilized from the area, damaged timber salvage cutting authority areas must be scattered, and not adjacent or contiguous to an existing cutting authority area.
 - c. the total cutting authority area for damaged salvage harvesting may vary in size but individual clearcut openings within the cutting authority area shall not exceed two hectares.
 - d. only damaged trees and hazard trees as approved by the Ministry may be removed on a damaged timber salvage cutting permit.
 - e. post-harvest salvage may only occur after primary logging has been satisfactorily completed and residue and waste assessments have been submitted to and accepted by the Ministry.
 - f. salvage cannot occur on a road right-of-way which has an active timber mark associated with it.
 - g. the stumpage rate will be fixed for a period not exceeding one year.
- 3. Where the source of the salvaged timber is damaged timber, the stumpage rate for each species of the salvaged timber in a forest district will be determined using

- schedule of average sawlog stumpage rates for damaged timber approved by the Director.
- 4. Where the source of the salvaged timber is post-harvest material, the stumpage rate for each species of timber in a forest district will be determined using the schedule of average sawlog stumpage rates for post-harvest material approved by the Director.

7.4.1 Levies for Salvage Forestry Licences to Cut Cutting Authorities

- 1. An administration levy may be added to the reserve stumpage rate. The administration levy is equal to the district manager's cost estimate of administration provided by the Crown for preparing a Forestry Licence to Cut for salvage timber. An administration cost estimate is made for every cutting authority where the district office has to prepare all details of a Forestry Licence to Cut for salvage. No levy is applicable to professional applications.
- 2. A basic silviculture levy may be added to the reserve stumpage rate. The levy is equal to the district manager's cost estimate of silviculture liability to be incurred by the Crown.

7.5 Cutting Authority Area With Less than 2 500 m³ of Timber Volume

- 1. Where a cutting authority area has less than 2 500 m³ of timber the stumpage rate may, at the discretion of the regional appraisal coordinator, be determined by using the stumpage rates that the Revenue Branch determines under section 7.1 for each of those species in the forest district in which the cutting authority area is located.
- 2. The stumpage rate calculated under this section is not adjusted quarterly.

7.6 Decked Timber

In the case of decked timber, or timber which has been felled and bucked, such as on rights-of-way, and the volume exceeds 300 m³, an appraisal is completed on an "as is, where is" basis by using the procedures in section 7.5 to calculate the stumpage rate and adding to it the person who determines the stumpage rate's estimate of the costs of felling, bucking, yearding and decking.

7.7 Miscellaneous Stumpage Rates

Miscellaneous Stumpage Rates

1. Unless otherwise specified in a cutting authority, Table 7-1 in effect on the date of scale shall be used to determine the stumpage rates for deciduous species, low grade logs and timber in specified areas.

Special Forest Products

2. Unless otherwise specified in a cutting authority, Table 7-2 in effect on the date of scale shall be used to determine the stumpage rates for the specified products from all sources of Crown timber.

7.7.1 Marine Log Salvage

7.7.1.1 Beachcomb

A beachcomb rate may apply to logs salvaged in the Vancouver log salvage district under Part 9 of the *Act*, and stray logs salvaged elsewhere in coastal waters.

The stumpage rate for beachcomb is listed in table 7-1.

7.7.1.2 Root Buck

A root buck rate may apply to any species where the roots are attached at the time stray logs are salvaged in coastal waters. Excludes logs salvaged from coastal waters within the boundaries of the North Coast and Kalum Forest Districts.

The rate for root buck is listed in table 7-1.

7.7.1.3 Wahleach Island Catchment Basin

The stumpage rate for logs salvaged at Wahleach Island catchment basin operated by B.C. Debris Control Board is listed in table 7-1.

7.7.1.4 Deadhead Logs

A deadhead rate may apply to deadhead logs as defined in the log salvage regulation, salvaged in coastal waters and subject to scaling requirements under part 6 of the *Act*.

The stumpage rate for deadhead logs is listed in table 7-1.

Table 7-1: Miscellaneous Stumpage Rates

Species	Product Code	Logs	Stumpage Rate (\$/m³)
Deciduous	N/A	All (except grades 'Y', 'Z')	\$1.00
Yew, Arbutus, Aspen, Willow	N/A	All	\$0.25
Hemlock & Balsam	N/A	Grade 'U'	\$0.25
Coniferous	N/A	Grade 'X'	\$0.25
All Species	N/A	Grade 'Y'	\$0.25
All Species	RB	Root buck	\$7.80
All Species	N/A	Beachcomb (BC)	\$0.70
All Species	N/A	Wahleach Island catchment basin (DH)	\$0.25
All Species	N/A	Deadhead logs (DH)	\$0.25

Table 7-2: Special Forest Products Stumpage Rates

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Species	Product Code	Product	Stumpage Rate
All Species	CA	Cants (produced from dead and down post-logging residue)	\$9.60/m ³
All Species	FW	Firewood (round or split) - maximum length 1.2 m	\$1.00/m ³
All Species	МТ	Mining Timbers - maximum length 2.4 m	\$3.00/m ³
All Species (except Cedar)	PR	Posts and Rails (split and round)	\$1.20/m ³
Cedar	PR	Posts and Rails (split and round)	\$3.00/m ³
All Species	SB	Shake and Shingle Bolts, Blocks and Blanks	\$5.30/m ³
All Species	SK	Shakes	\$6.00/m ³
All Species	SS	Stakes and Sticks (Car Stakes, Grape Stakes, Hop Poles, Lagging (split, Orchard Props, Pickets and Palings, Stakes and Stocks (sticks))	\$1.20/m ³
All Species	XM	Christmas Trees Less than 3 m 3 m to 5 m greater than 5 m	•

Cants are produced from dead and down post-logging material that would not make a sawlog as determined by the regional manager.

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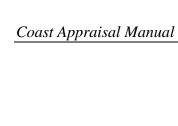
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